



## PATENT ABSTRACTS OF JAPAN

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(21) Application number: **09324058**(22) Date of filing: **26.11.1997**(71) Applicant: **VICTOR CO OF JAPAN LTD**(72) Inventor: **WAKABAYASHI TSUKIMI****(54) LYRIC DISPLAY CONTROL INFORMATION EDITING DEVICE****(57) Abstract:**

**PROBLEM TO BE SOLVED:** To provide a lyric display control information editing device by which the display control information such as color change of the letters of the lyric is imparted automatically to output the lyric display control information with a uniform quality while a skillful operator is not required.

**SOLUTION:** A lyric display control information editing device 10 is composed of a voice input means 11 to which voice signals are inputted from a playing tape/disc 20, a lyric voice recognizing means 12 which takes out lyric letters voice signals from the voice input

means 11 and a lyric display control information output means 13 which the lyric letters voice signals from the lyric voice recognizing means 12 as lyric display control information signals having time codes corresponding to the singing timings of the words. The lyric display control information editing device 10 can take out the lyric letters voice signals from the playing tape/disc 20 and generate and output the time-coded lyric display control information signals automatically.

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